



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Nor-Lake, Incorporated  
727 Second Street, PO Box 248  
Hudson, WI 54016

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Walk-In Coolers and Freezers

**APPROVAL DOCUMENT:** Drawing No. 11-NOR-02, titled "Walk-In Cooler/Freezer", sheets 1 through 7 of 7, prepared by Knezevich Consulting, LLC, dated March 21, 2011, last revision #3 dated October 25, 2013, signed and sealed by J. W. Knezevich, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA #12-0425.01 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4 & E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
11/28/2013

NOA No. 13-0514.19  
Expiration Date: 05/10/2018  
Approval Date: 11/28/2013  
Page 1

**Nor-Lake, Incorporated**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 00-1212.01**

**A. DRAWINGS**

1. *Drawing No. 00-094, titled "Walk-in Cooler/Freezer", prepared by Knezevich & Associates, Inc., dated December 7, 2000, last revision #3 dated April 19, 2001, sheets 1 through 5 of 5, signed and sealed by V. J. Knezevich, P.E.*

**B. TESTS**

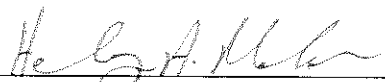
1. *Test report on 24 Hour Live Load Test, Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test, Axial Load Test, and Racking load Test on Metal Sheathed Urethane Foam Filled Modular Panel Walk-in Coolers / Freezers, prepared by Construction Testing Corporation, Report No. 00-027, dated November 6, 2000, signed and sealed by Yamil Kuri, P.E.*

**C. CALCULATIONS**

1. *Calculation titled "Walk-in Cooler / Freezer", dated 12/07/2000, pages 1 through 27 of 27, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*
2. *Calculation titled "Walk-in Cooler / Freezer", dated 03/13/2001, 3 pages, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *Mill Certified Test Report issued by Thyssen Krupp Stahl, dated 11/01/2000, with the Chemical analysis and Mechanical Properties for 27 gauge Steel conforming to ASTM A-875.*
2. *Mill Certified Test Report issued by Viking Materials, Inc., dated 03/21/2000, with the Chemical composition and Mechanical Properties for 26 gauge Steel Regular Spangle.*
3. *Mill Certified Test Report issued by Scottsboro, dated 01/04/00, with the Chemical composition and Mechanical Properties for 0.032" thick 3003-H14 Aluminum Alloy.*
4. *Tensile Test Report No. CTL #1106F, prepared by Certified Testing Laboratories, dated 11/08/2000, signed and sealed by Ramesh Patel, P.E.*
5. *Tensile Test Report No. CTL #1107F, prepared by Certified Testing Laboratories, dated 11/08/2000, signed and sealed by Ramesh Patel, P.E.*
6. *Report #R8058, by UL, dated 07/25/97, for Flame Spread Index and Smoke Developed Index.*
7. *Report #R8058, by UL, dated 03/03/98, for Flame Spread Index and Smoke Developed Index.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 13-0514.19**  
**Expiration Date: 05/10/2018**  
**Approval Date: 11/28/2013**

**Nor-Lake, Incorporated**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0826.04**

**A. DRAWINGS**

1. *Drawing No. 00-094, titled " Walk-In Cooler/Freezer ", sheets 1 through 5 of 5, prepared by Knezevich & Associates, Inc., dated December 07, 2000, last revision #4 dated July 10, 2002 signed and sealed by V. J. Knezevich, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *Design Calculations and structural analysis, prepared by Knezevich & Associates, Inc., pages 1 through 5 of 5, dated August 09, 2002, signed and sealed by V. J. Knezevich, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*

**E. STATEMENTS**

1. *Statement letter of conformance, dated August 09, 2002, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0926.07**

**A. DRAWINGS**

1. *Drawing No. 05-387, titled " Walk-In Cooler/Freezer ", sheets 1 through 5 of 5, prepared by Thornton-Tomasetti Group, dated September 22, 2005, last revision #1 dated September 22, 2005, signed and sealed by J. W. Knezevich, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

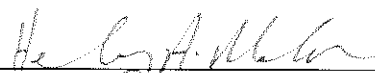
1. *Design Calculations and structural analysis, prepared by Thornton-Tomasetti group, pages 1 through 13 of 13, dated September 22, 2005, signed and sealed by John W. Knezevich, P.E.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
Product Control Unit Supervisor  
NOA No. 13-0514.19  
Expiration Date: 05/10/2018  
Approval Date: 11/28/2013

**Nor-Lake, Incorporated**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0125.02**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. By Miami-Dade County Building Code Compliance Office.

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-0602.11**

**A. DRAWINGS**

1. *Drawing No. 08-107, titled " Walk-In Cooler/Freezer ", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated May 12, 2008, signed and sealed by J. W. Knezevich, P.E., on May 12, 2008.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

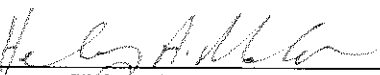
1. *None.*

**D. QUALITY ASSURANCE**

1. By Miami-Dade County Building Code Compliance Office.

**E. MATERIAL CERTIFICATIONS**

1. *None.*

  
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Helmy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 13-0514.19  
Expiration Date: 05/10/2018  
Approval Date: 11/28/2013

**Nor-Lake, Incorporated**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0425.02**

**A. DRAWINGS**

1. *Drawing No. 11-NOR-02, titled " Walk-In Cooler/Freezer ", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated March 21, 2011, signed and sealed by J. W. Knezevich, P.E., on April 20, 2011.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building and Neighborhood Compliance department.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-0425.01**

**A. DRAWINGS**

1. *Drawing No. 11-NOR-02, titled " Walk-In Cooler/Freezer ", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated March 21, 2011, last revision #1 dated May 09, 2012, signed and sealed by J. W. Knezevich, P.E., on May 14, 2012.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

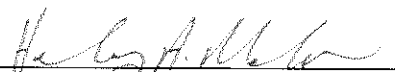
1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**

**NOA No. 13-0514.19**

**Expiration Date: 05/10/2018**

**Approval Date: 11/28/2013**

**Nor-Lake, Incorporated**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**8. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 11-NOR-02, titled "Walk-In Cooler/Freezer", sheets 1 through 7 of 7, prepared by Knezevich Consulting, LLC, dated March 21, 2011, last revision #3 dated October 25, 2013, signed and sealed by J. W. Knezevich, P.E.*

**B. TESTS**

1. *Test report on 24 Hour Live Load Test, Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test, Axial Load Test, and Racking load Test on Metal Sheathed Urethane Foam Filled Modular Panel Walk-in Coolers / Freezers, prepared by American Testing Lab of South Florida, Report ATLSF 0126.01-12, dated July 16, 2013, signed and sealed by Henry Hattem, P.E.*

**C. CALCULATIONS**

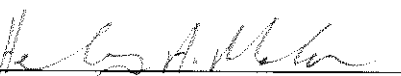
1. *Calculation titled "Walk-in Cooler / Freezer", dated 08/09/2013, pages 1 through 50 of 50, and A1-A5, prepared by Knezevich Consulting, Inc., signed and sealed by John W. Knezevich, P.E.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *Die Drawings.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.

Product Control Unit Supervisor

NOA No. 13-0514.19

Expiration Date: 05/10/2018

Approval Date: 11/28/2013

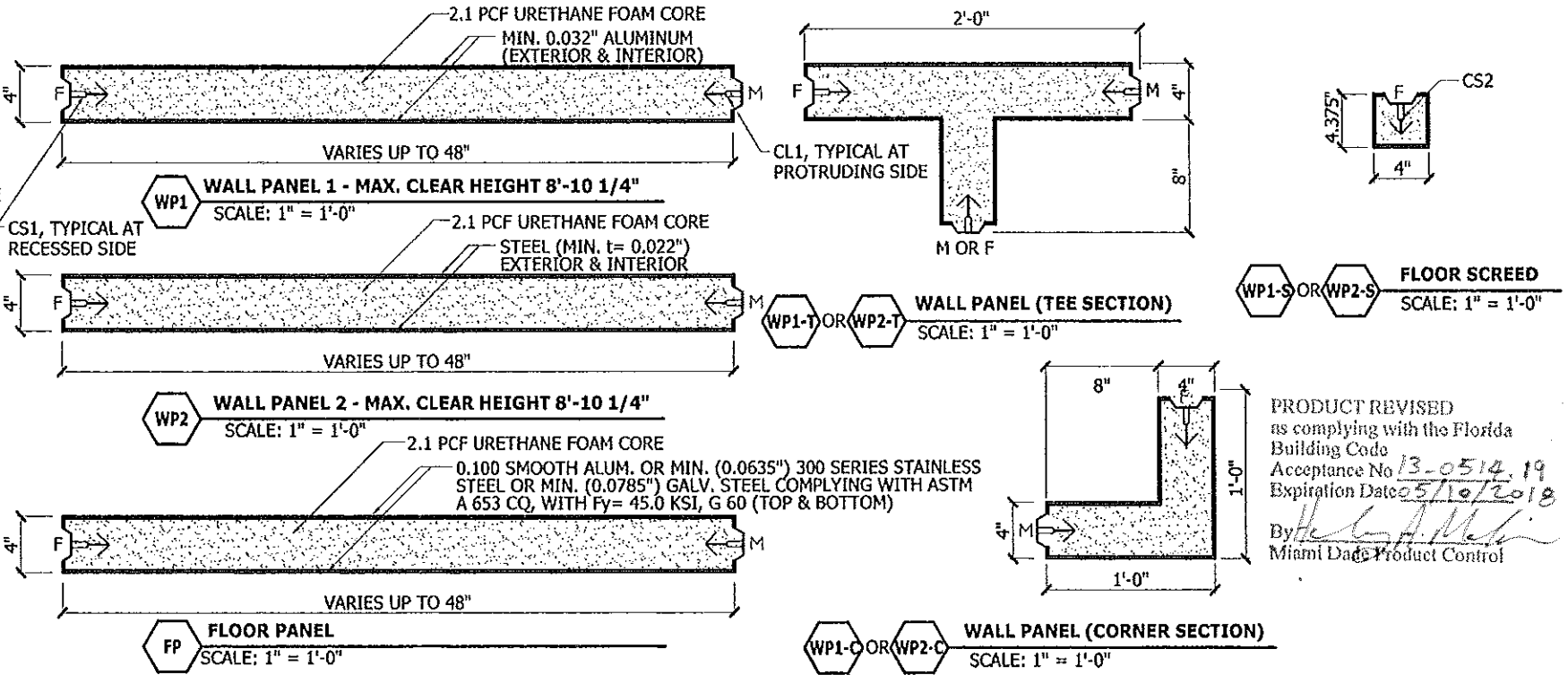
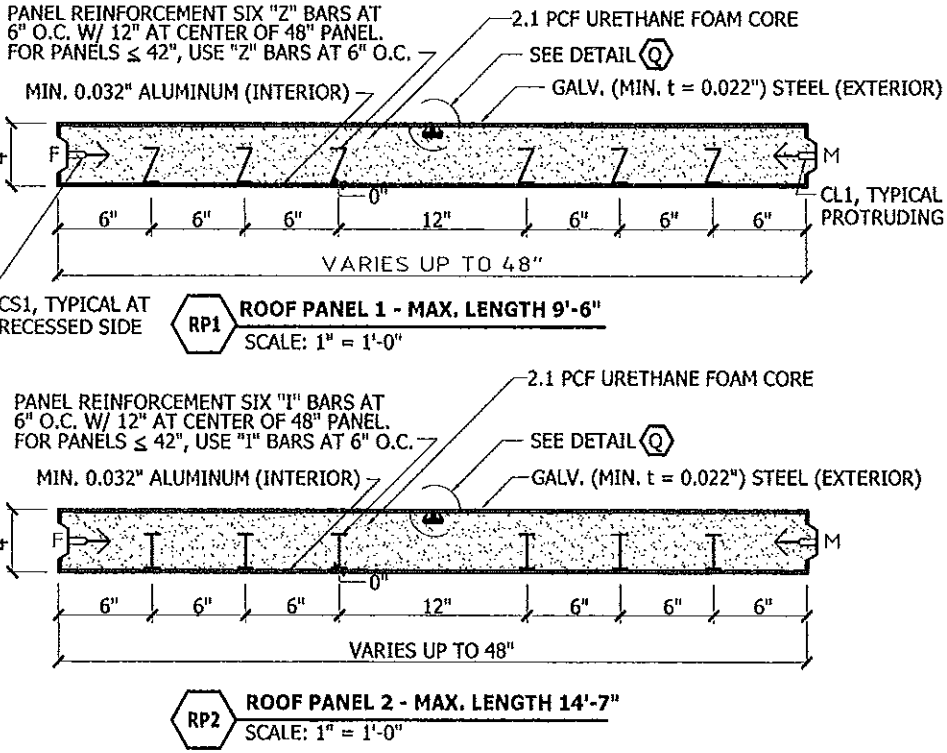
GENERAL NOTES:

1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A WALK-IN COOLER/FREEZER SYSTEM ANALYZED WITH THE PROVISIONS SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES, PRODUCT CONTROL SECTION. THESE DOCUMENTS COMPLY WITH THE FLORIDA BUILDING CODE (FBC), 2010 EDITION, HIGH VELOCITY HURRICANE ZONE PROVISIONS.
2. FOR AREAS OUTSIDE OF THE HVHZ, SITE SPECIFIC ENGINEERING IS REQUIRED TO VERIFY THE SITE SPECIFIC DESIGN WIND LOADS AND PANEL TESTING COMPLY WITH THE TESTING REQUIREMENTS OF FBC SECTION 1715.3.1.
3. DESIGN LOADS:
- A) ROOF:
- A.1) DEAD LOAD: PANEL TYPE 1 3.5 PSF  
PANEL TYPE 2 5.3 PSF
- A.2) LIVE LOAD: 30.0 PSF
- A.3) MAXIMUM WEIGHT OF MECHANICAL EQUIPMENT IS 330 LBS. PER CONDENSING UNIT. SPACE UNITS AT LEAST 4'-0" O.C.
- B) WALLS:
- B.1) DEAD LOAD: PANEL TYPE 1 1.6 PSF  
PANEL TYPE 2 2.1 PSF
- C) FLOOR:
- C.1) DEAD LOAD: FLOOR PANEL 5.0 PSF
- C.2) LIVE LOAD: INSULATED FLOOR 250 PSF  
"FLOORLESS" 250 PSF
- D) WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH THE CODE PROVISIONS AT THE TIME OF PERMIT BASED ON THE SITE SPECIFIC CONDITIONS. SEE TABLE 3 ON SHEET 2 FOR ALLOWABLE WIND LOADS USED IN THE DESIGN OUTLINED WITHIN THESE DOCUMENTS. THESE LOADS ARE ALLOWABLE LOADS BASED ON WIND LOAD RESISTANCE TESTING. IN ACCORDANCE WITH FBC 2010 EDITION, SECTION 1609.1.5, LOADS DETERMINED IN ACCORDANCE WITH ASCE 7-10 OR SECTION 1609 ARE PERMITTED TO BE MULTIPLIED BY 0.6 WHEN USED WITH THESE DOCUMENTS.
4. THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE SPECIFIC APPLICATION OF THIS WALK-IN COOLER/FREEZER SYSTEM.
5. THESE DOCUMENTS REPRESENT THE STRUCTURAL AND MATERIAL REQUIREMENTS OF THE WALK-IN COOLER/FREEZER STRUCTURE. THESE APPROVAL DOCUMENTS SHALL NOT BE APPLIED BY THE CONTRACTOR, ON A SPECIFIC SITE WITHOUT THE INVOLVEMENT OF AN ARCHITECT OR ENGINEER OF RECORD (A/E OF RECORD). THE A/E OF RECORD SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE CODE REQUIREMENTS OF A SPECIFIC INSTALLTION INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- A) VERIFY THE SITE SPECIFIC WIND LOAD REQUIREMENTS ARE WITHIN THE CRITERIA USED TO DEVELOP THESE DOCUMENTS AND THE UNIT IS CONFIGURED IN COMPLIANCE WITH THE LIMITATIONS HEREIN.
- B) VERIFY THE FOUNDATION DESIGN IS ADEQUATE TO RESIST THE FOUNDATION LOADS IDENTIFIED IN TABLE 1.
- C) VERIFY THE EXISTING BUILDING IS ADEQUATE TO RESIST THE SUPERIMPOSED LOADS IDENTIFIED IN TABLE 1.
- D) WEATHER PROTECTION, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL REQUIRMENTS ARE OUTSIDE THE SCOPE OF THESE DOCUMENTS. DETERMINE AND/OR PROVIDE FOR COMPLIANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

6. THESE APPROVAL DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
8. WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL SHALL REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION.
9. ALL BOLTS AND SCREWS SHALL BE 2024-T4 ALUMINUM ALLOY, ELECTRO-GALVANIZED STEEL, HOT DIPPED GALVANIZED STEEL OR 300 SERIES STAINLESS STEEL WITH A MIN. TENSILE STRENGTH OF 60 KSI.
10. ALL CONCRETE ANCHORS SHALL BE AS SPECIFIED ON THE DRAWINGS. EMBEDMENT LENGTHS NOTED ON THE DRAWINGS SHALL NOT INCLUDE FINISH MATERIAL. ANCHORS ARE APPROVED FOR USE IN UNCRACKED CONCRETE ONLY WITH A MIN.  $F_c = 3000$  P.S.I.
11. DISSIMILAR METALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC CHAPTER 20, SECTION 2003.8.4.
12. AN ALLOWABLE STRESS INCREASE IS NOT USED IN THE DESIGN OF THE COOLER/ FREEZER UNIT NOR ITS ATTACHMENTS.

POLYURETHANE FOAM SANDWICH PANEL SPECIFICATIONS

1. WALL & ROOF COMPOSITE SANDWICH PANELS ARE COMPRISED OF ALUMINUM OR STEEL FACINGS WITH FOAMED-IN-PLACE POLYURETHANE CORES. THICKNESS AND MATERIAL OF FACINGS SHALL BE AS SHOWN ON THE DRAWINGS.
2. ALUMINUM FACINGS SHALL BE 3003-H14 ALLOY FOR INTERIOR AND EXTERIOR USE.
3. STEEL FACINGS USED ON WALL PANELS SHALL COMPLY WITH ASTM A 875 CQ WITH A MIN.  $F_y = 31.0$  KSI, MIN. THICKNESS OF 0.022" AND A G45 COATING
4. STEEL FACINGS USED ON ROOF PANELS, TOP SIDE, SHALL COMPLY WITH ASTM A653 CS WITH A MIN.  $F_y = 45$  ksi, MIN. THICKNESS OF 0.022" AND A G90 COATING.
5. STEEL PLATES, BENT PLATES, CHANNELS AND ANGLES SHALL COMPLY WITH ASTM A653 CS WITH A MIN.  $F_y = 31$  ksi AND A G90 COATING. THICKNESS AS DESIGNATED.
6. POLYURETHANE FOAM CORE SHALL BE MANUFACTURED FROM BASF ELASTOPOR FOAM WITH AN AVERAGE DENSITY OF 2.1 PCF AND A MINIMUM SAMPLE DENSITY OF 1.9 PCF.
7. POLYURETHANE FOAM CORE SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450.
8. METAL FACINGS AND CAMLOCKS SHALL BE ADHERED TO FOAM WITH A SPRAY COATING OF ONE OF THE FOLLOWING ADHESIVES:  
A. 3M SCOTCH-WELD 94ET CLEAR OR RED ADHESIVE AT A RATE OF 0.547 GRAMS DRY WEIGHT PER SQUARE FOOT.  
B. 3M SCOTCH-WELD NEOPRENE CONTACT ADHESIVE 5, GREEN OR LIGHT YELLOW, AT A RATE OF 0.547 GRAMS DRY WEIGHT PER SQUARE FOOT.
9. FOR SPECIFIC REQUIREMENTS OF FOAM PLASTICS IN WALK-IN COOLERS, SEE SECTION 2612.3.2.1 AND 2612.3.2.2.
10. TAPPING PLATES WITHIN DOOR FRAME SHALL BE 1/2" HDPE PLASTIC WITH A MINIMUM SIZE OF 2" X 2" AND A MAXIMUM SIZE OF 2" LARGER THAN THE SCREW PATTERN. PROVIDE TAPPING PLATES AT ALL DOOR HARDWARE AND STEEL FLOOR ANGLE LOCATIONS.



**KNEZEVICH CONSULTING**

KNEZEVICH CONSULTING, LLC

1600 S. Federal Hwy., Suite 961 • Pompano Beach, FL 33062

T 954.772.6224 • F 954.320.6451 • COA 27988

website: www.knezevich.com

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**WALK-IN COOLER / FREEZER**

**NORLAKE**

NORLAKE, INCORPORATED

727 Second Street

P.O. Box 248

Hudson, WI 54016-0248

TEL: (715) 386-2323

FAX: (715) 386-6149

www.norlake.com

no.	date	by	description
0	03/21/2011	JWK	PREVIOUS DRAWING NUMBER AC 08-107
1	06/04/2013	JWK	FOR LABORATORY MARKUP
2	07/07/2013	JWK	SUBMITTAL SET
3	10/25/2013	JWK	COUNTY COMMENTS

**J.W. Knezevich**

Professional Engineer

FL License No.: PE 41961

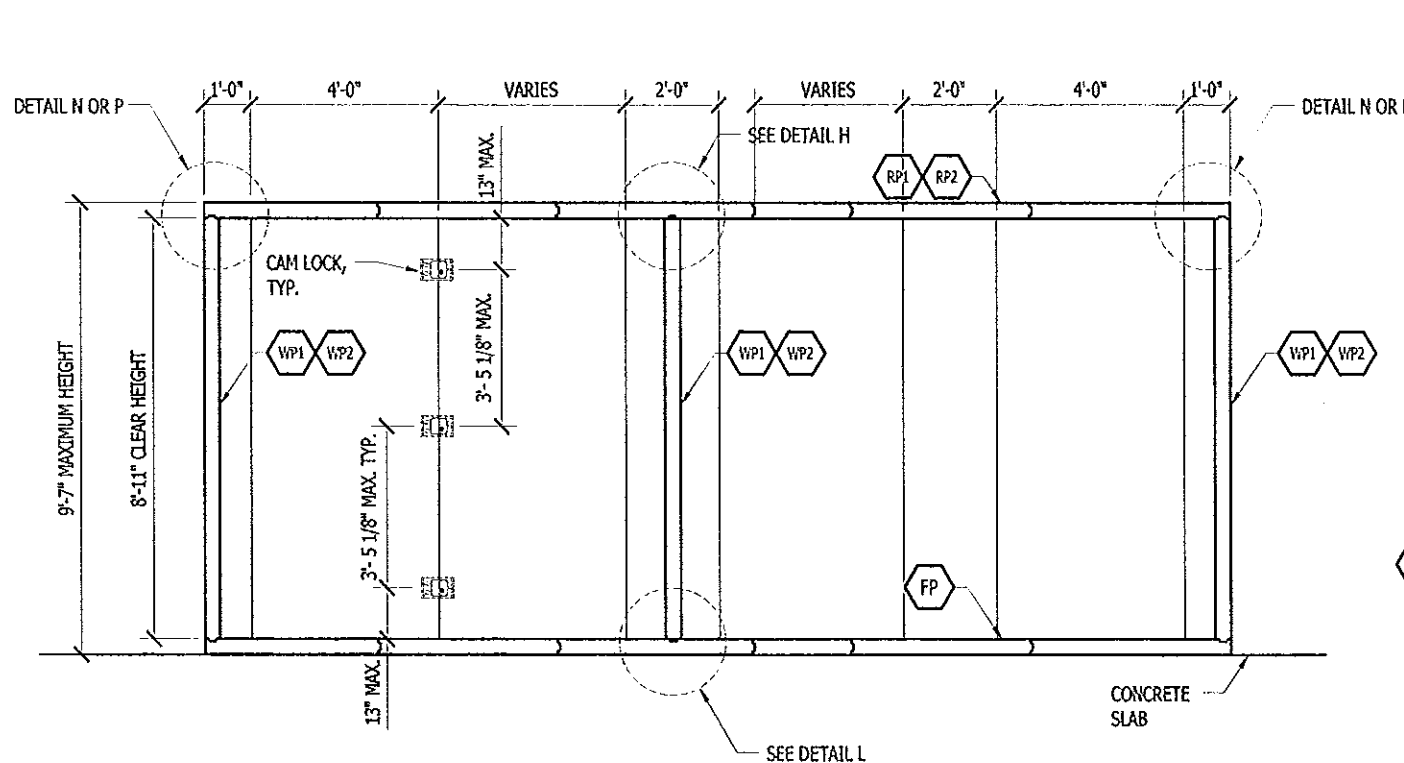
10/24/13

drawn by: ARV scale: AS NOTED

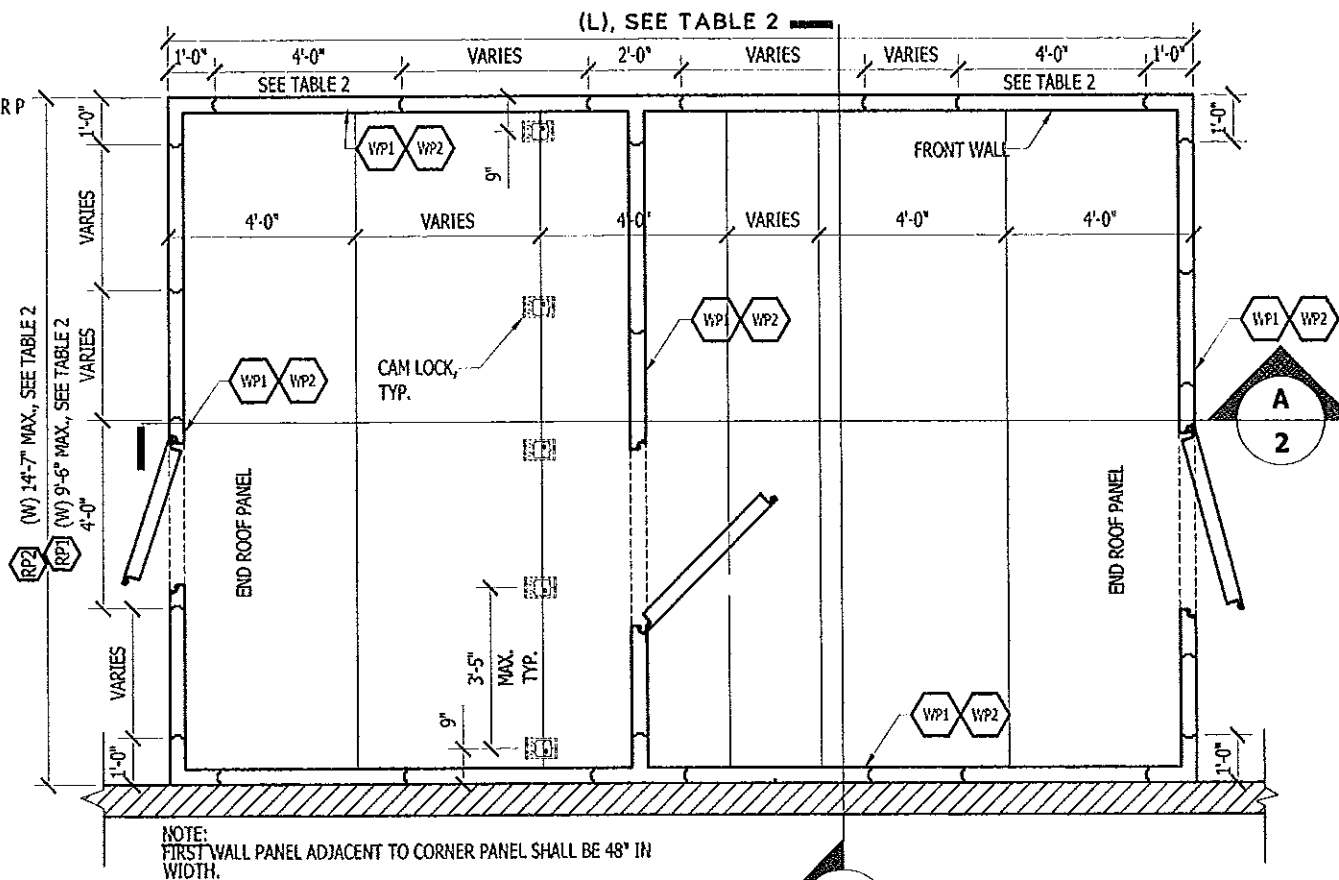
date: 03/21/2011

drawing no.: 11-NOR-02

sheet 1 of 7



**A SECTION THROUGH LENGTH (TYP.)**  
SCALE: 1/4" = 1'-0"



**C PLAN VIEW (TYP.)**  
SCALE: 1/4" = 1'-0"

TABLE 1	LOADS FOR FOUNDATION DESIGN	NET WIND UPLIFT ( $P_v$ ) AND SHEAR ( $P_H$ ) FORCES	
		ROOF PANEL MAXIMUM SPAN	
		RP1 = 9'-6"	RP2 = 14'-7"
	$P_v$	-220 # / FT	-450 # / FT
	$P_H$	± 220 # / FT	± 220 # / FT
	$M_w$	± 3,200 # / FT	± 3,200 # / FT

**TABLE 1 NOTES:**

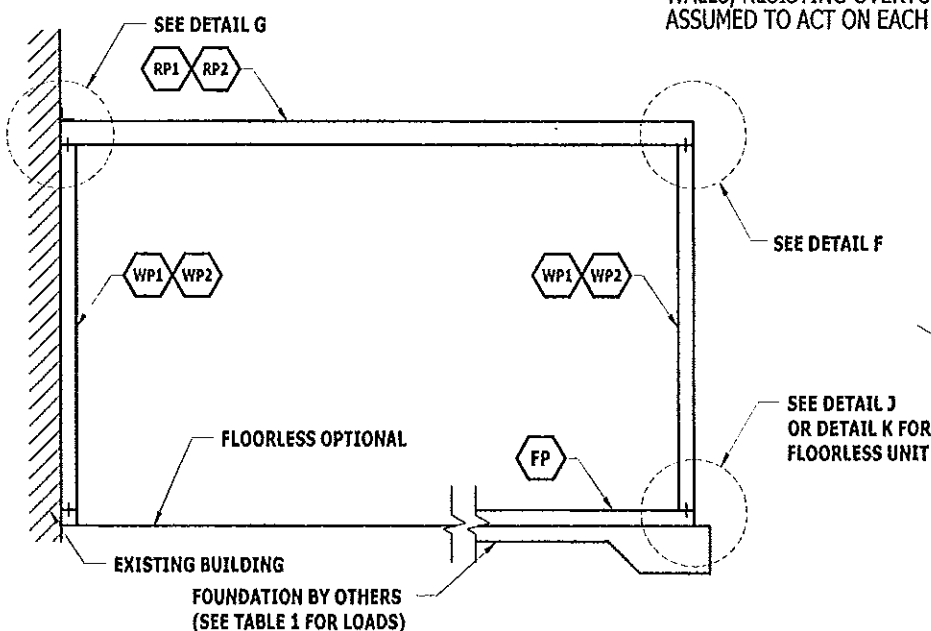
- NET WIND FORCES REPRESENT THE REACTIONS FROM ALLOWABLE STRESS WIND LOAD COMBINATIONS ASSUMING MAXIMUM ROOF PANEL SPANS AND MAXIMUM WALL PANEL HEIGHTS.  $P_v$  REPRESENTS THE VERTICAL WIND REACTION.
- $P_H$  REPRESENTS THE HORIZONTAL WIND REACTION.
- $M_w$  REPRESENTS THE MOMENT PARALLEL TO THE PLANE OF THE FRONT WALLS, RESISTING OVERTURNING, ASSUMED TO ACT ON EACH PANEL.

TABLE 2	UNIT WIDTH (W) FT - IN	UNIT LENGTH (L) MINIMUM NUMBER OF 48" PANELS ON FRONT WALL FOR A GIVEN UNIT WIDTH (W)	
		WP1	WP2
	LESS OR EQUAL TO 9'-3"	3	3
	GREATER THAN 9'-3" UP TO 13'-3"	4	4
	GREATER THAN 13'-3" UP TO 14'-7"	5	5

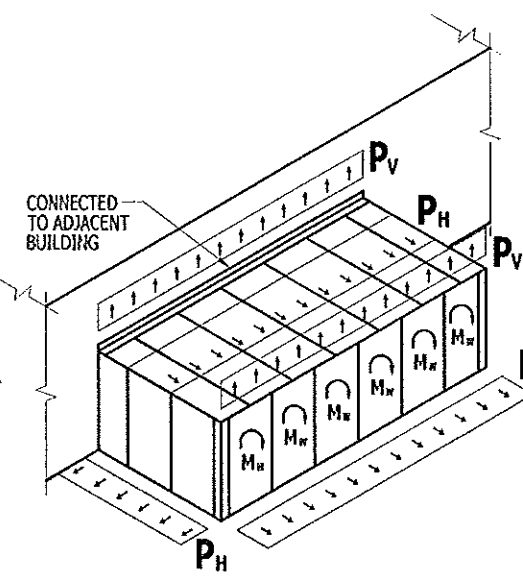
TABLE 3	ALLOWABLE WIND LOADS (PSF)											
		ROOF						WALL				
		RP1			RP2			WP1		WP2		
		ZONES	1	2	3	1	2	3	4	5	4	5
		NEGATIVE	-44.2	-62.0	-78.5	-43.4	56.9	-66.1	-42.6	-49.8	-42.6	-49.8
	POSITIVE	+16.6			+15.9			+39.1		+39.1		

**TABLE 3 NOTES:**

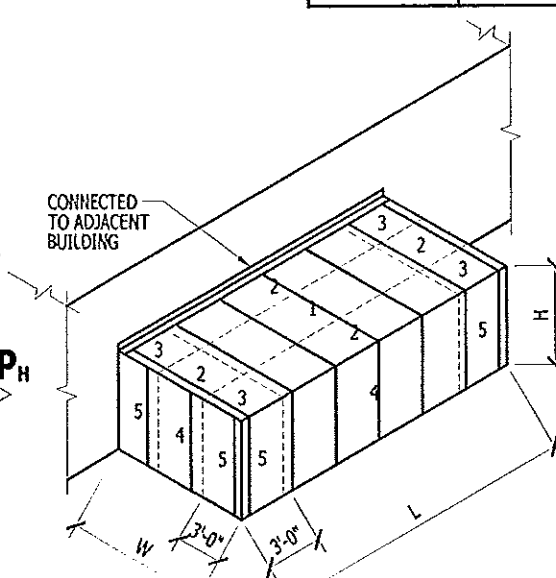
- ALLOWABLE WIND LOADS SHOWN REPRESENT THE COMPONENT WIND LOADS USED IN THE DESIGN SHOWN HEREIN. TO DETERMINE COMPLIANCE, SITE SPECIFIC WIND LOADS SHALL BE MULTIPLIED BY THE LOAD FACTOR 0.6 WHEN COMPARING TO THESE VALUES.
- SITE SPECIFIC WIND LOADS DETERMINED IN ACCORDANCE WITH GENERAL NOTES 3.D AND 5.A SHALL BE LESS THAN OR EQUAL TO THESE LOADS.
- ALLOWABLE WIND LOADS ARE BASED ON A FACTOR OF SAFETY OF 1.5 FOR WALL PANELS AND 2.0 FOR ROOF PANELS IN ACCORDANCE WITH THE HVHZ PROVISIONS OF THE FBC.



**B SECTION THROUGH WIDTH (TYP.)**  
SCALE: 1/4" = 1'-0"



**D ISOMETRIC WITH FOUNDATION WIND LOADS**  
N.T.S.



**E ISOMETRIC WITH WIND ZONES**  
N.T.S.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0514-19  
Expiration Date 05/10/2018  
By: [Signature]  
Miami Dade Product Control

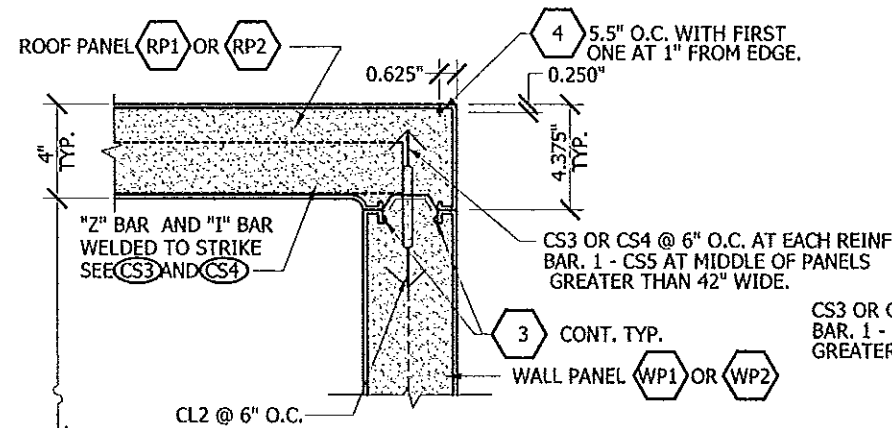
**WALK-IN COOLER / FREEZER**  
**NORLAKE**  
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no.	date	by	description
0	03/21/2011	JWK	PRELIMINARY DRAWING NUMBER 11-NOR-02-02
1	06/04/2013	JWK	FOR LABORATORY MARKUP
2	07/17/2013	JWK	SUBMITTAL SET
3	10/25/2013	JWK	COUNTY COMMENTS

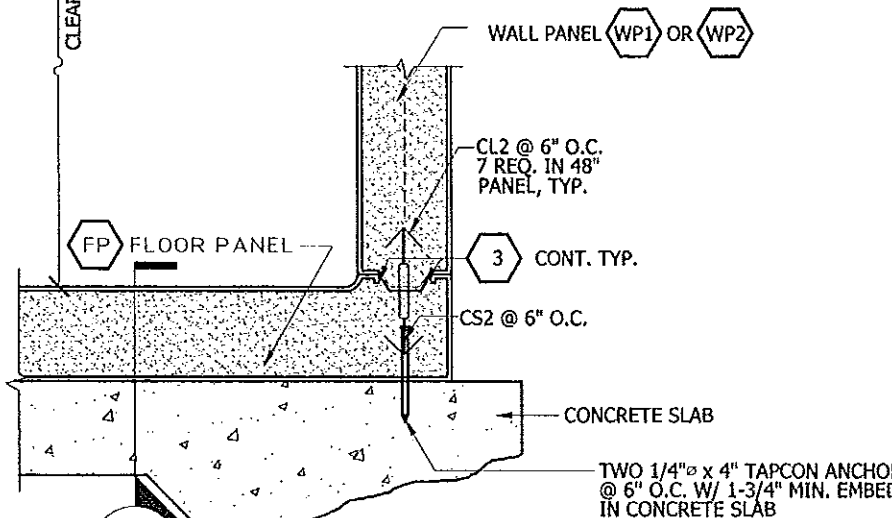
**J.W. Knezevich**  
Professional Engineer  
FL License No.: PE 41961

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date	03/21/2011	drawing no.	11-NOR-02
sheet 2 of 7			

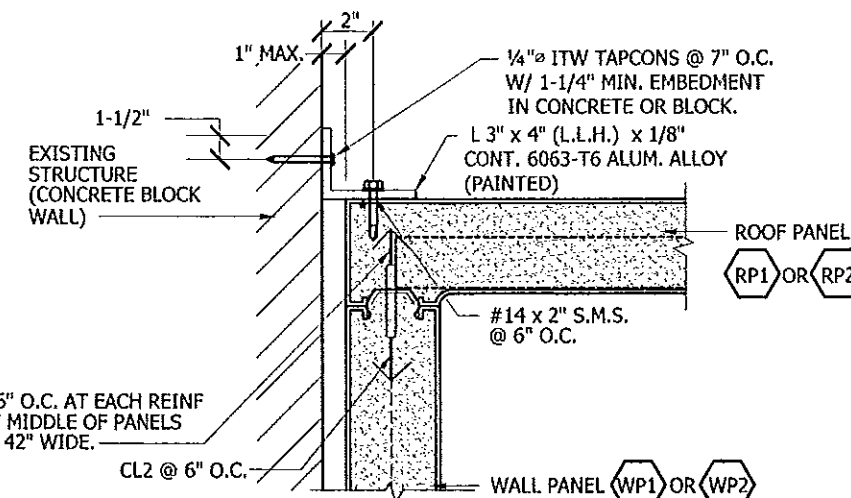




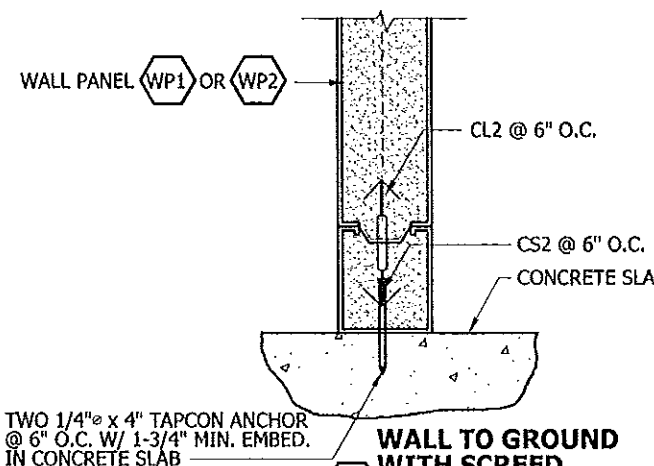
**F FRONT WALL TO CEILING**  
SCALE: 1-1/2" = 1'-0"



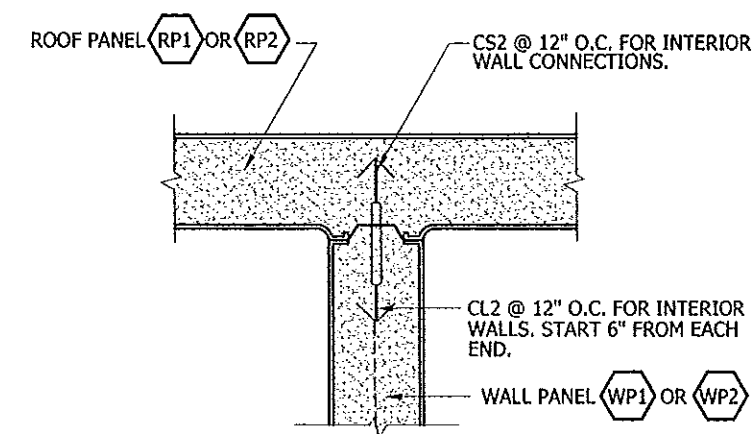
**J WALL TO GROUND WITH FLOOR**  
SCALE: 1-1/2" = 1'-0"



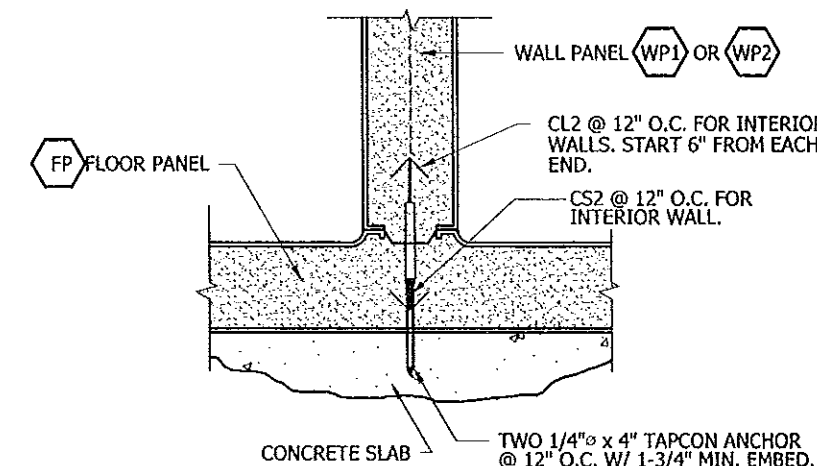
**G BACK WALL TO EXISTING BUILDING**  
SCALE: 1-1/2" = 1'-0"



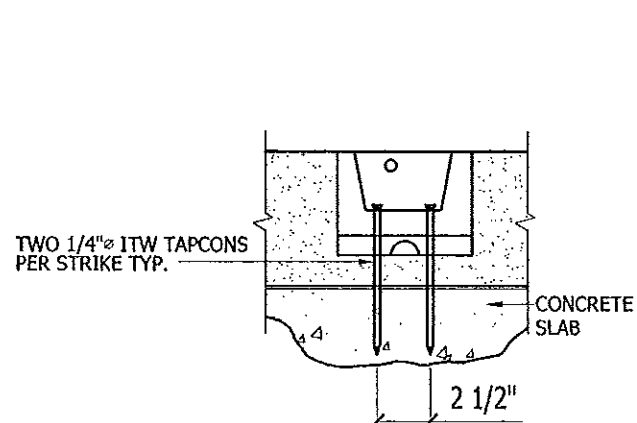
**K WALL TO GROUND WITH Screenshot**  
SCALE: 1-1/2" = 1'-0"



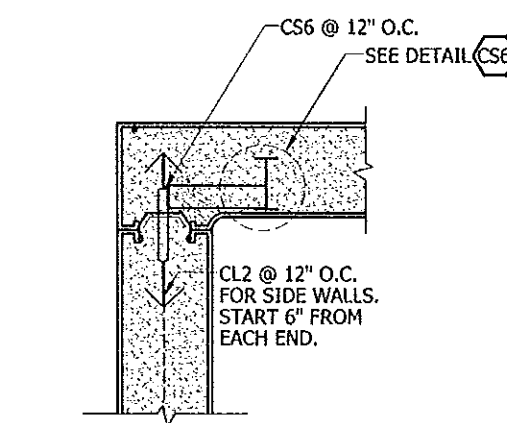
**H INTERIOR WALL TO CEILING**  
SCALE: 1-1/2" = 1'-0"



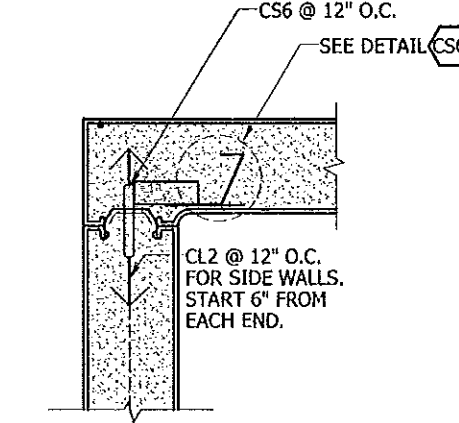
**L INTERIOR WALL TO GROUND WITH FLOOR**  
SCALE: 1-1/2" = 1'-0"



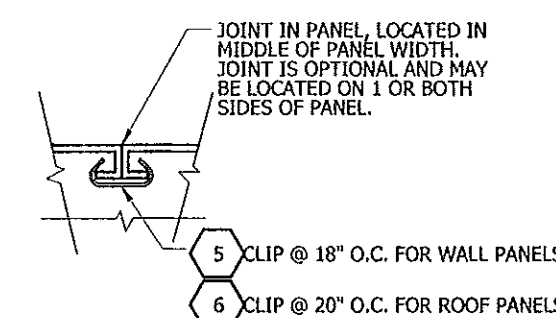
**M FLOOR OR Screenshot TO CONCRETE**  
SCALE: 1-1/2" = 1'-0"



**N SIDE WALL TO CEILING WITH 'I' BAR**  
SCALE: 1-1/2" = 1'-0"



**P SIDE WALL TO CEILING WITH 'Z' BAR**  
SCALE: 1-1/2" = 1'-0"



**Q ROOF & WALL PANEL SKIN JOINT**  
SCALE: FULL SIZE

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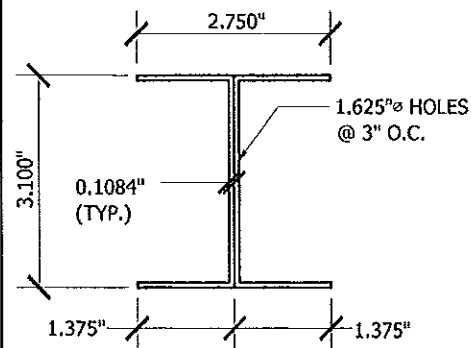
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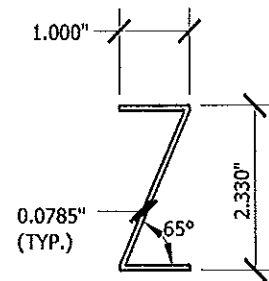
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no	date	by
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3	10/25/2013	JWK

**J.W. Knezevich**  
Professional Engineer  
FL License No.: PE 41961

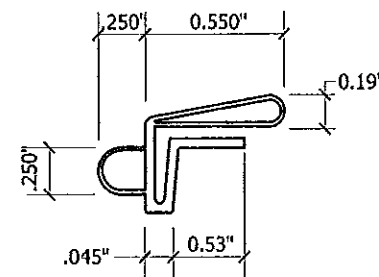
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sheet	3 of 7



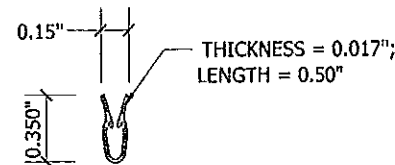
**1 "I" - BAR (STEEL)**  
SCALE: 3" = 1' - 0"  
NO GALVANIZING



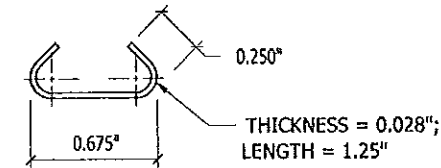
**2 "Z" - BAR (STEEL)**  
SCALE: 3" = 1' - 0"  
NO GALVANIZING



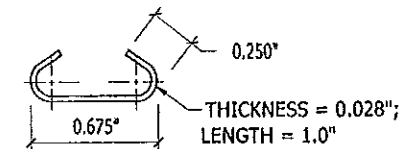
**3 PANEL GASKET**  
SCALE: FULL SIZE  
PLACE CONTINUOUS AT FEMALE  
END OF PANEL JOINTS.



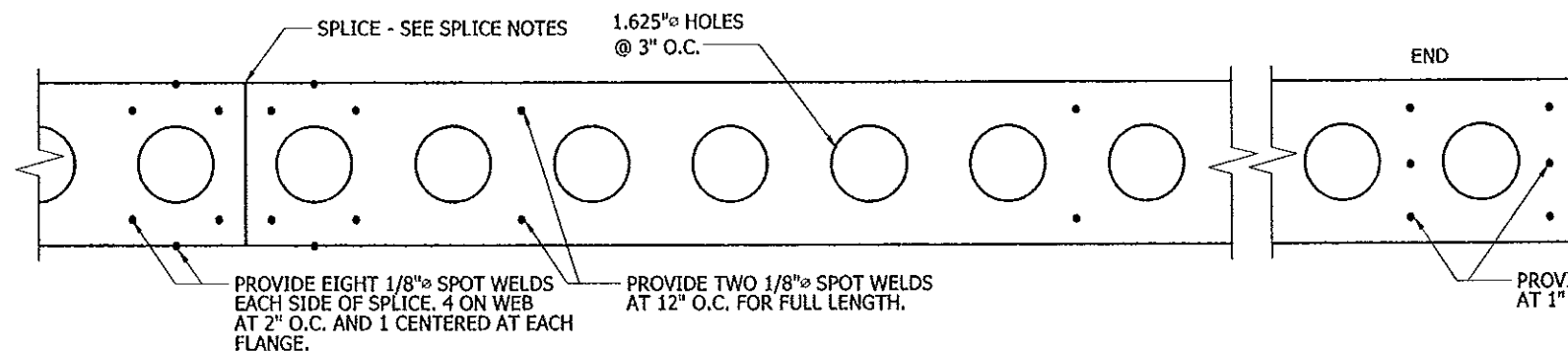
**4 STRAIGHT EDGE SKIN CLIP**  
SCALE: FULL SIZE  
NO GALVANIZING STEEL



**5 WALL PANEL SKIN CLIP**  
SCALE: FULL SIZE  
NO GALVANIZING STEEL

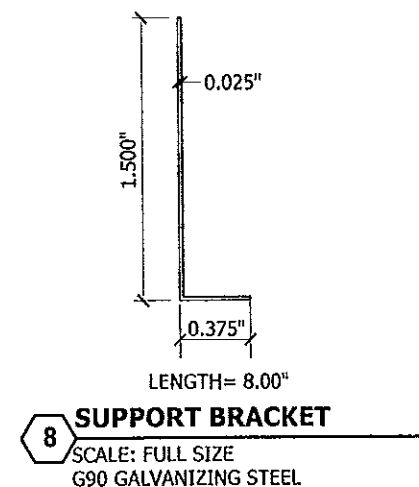


**6 ROOF PANEL SKIN CLIP**  
SCALE: FULL SIZE  
G90 GALVANIZING STEEL



SPLICE NOTES:  
"I" - BAR CHANNELS MAY BE SPLICED AS FOLLOWS:  
1. ONE CHANNEL MAY BE SPLICED AT 1/4 POINT (+/- 6")  
OF THE FULL PANEL LENGTH.  
2. SECOND CHANNEL MAY BE SPLICED AT 3/4 POINT (+/- 6")  
OF THE FULL PANEL LENGTH.

GALV. STEEL  
**7 "I" - BAR ELEVATION DETAIL**  
SCALE: 3" = 1' - 0"



**8 SUPPORT BRACKET**  
SCALE: FULL SIZE  
G90 GALVANIZING STEEL

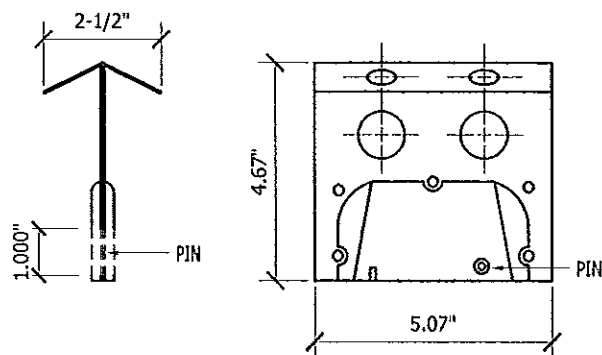
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727 Second Street  
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0	10/21/2013	JK
1	06/04/2013	JK
2	07/17/2013	JK
3	10/25/2013	JK

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Professional Engineer  
FL License No.: PE 41961

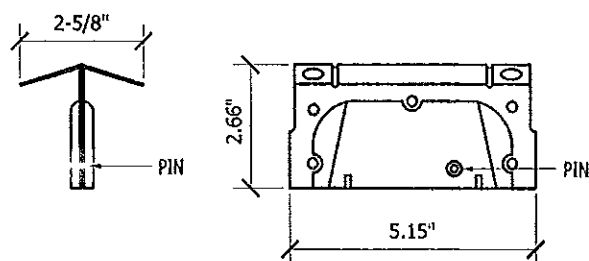
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date 03/21/2011  
drawing no. **11-NOR-02**  
sheet 4 of 7



**KASON 1189P DEEP STRIKE  
WITH MIN. STEEL WALL THICKNESS 0.033\"**

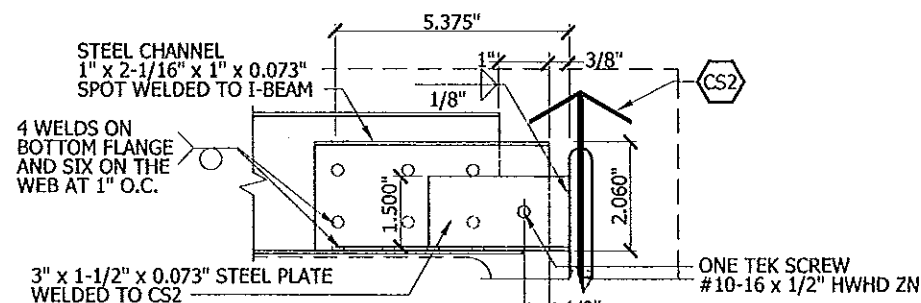
CS1 SCALE: 3\" = 1' - 0\"

NOTE:  
STRAP AND STRIKE MUST  
BE SPRAYED WITH ADHESIVE



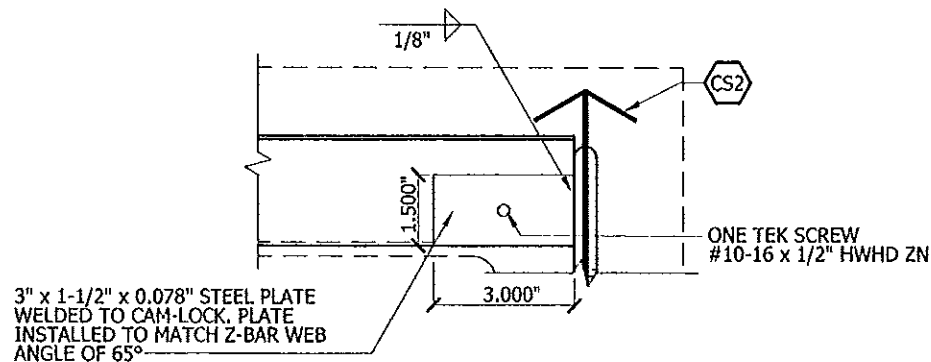
**KASON 1188RP WIDE MOUTH STRIKE  
WITH MIN. STEEL WALL THICKNESS 0.033\"**

CS2 SCALE: 3\" = 1' - 0\"



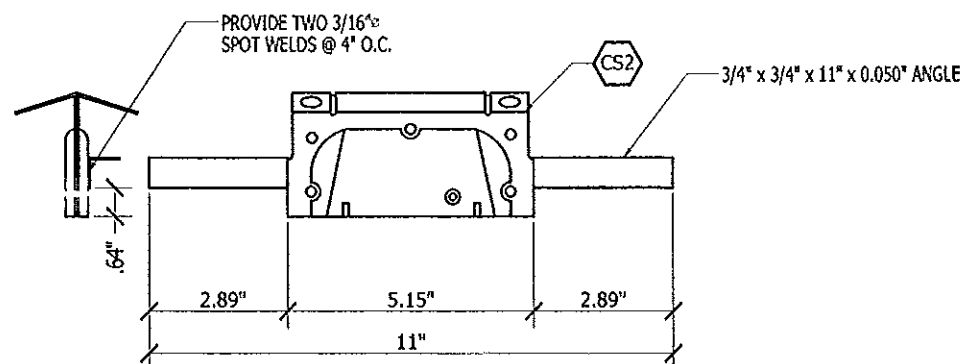
**CS2 TO "I"-BAR**

SCALE: 1-1/2\" = 1' - 0\"



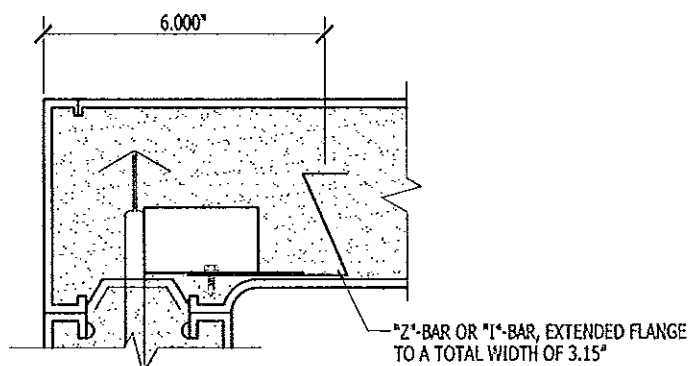
**CS2 TO "Z"-BAR**

SCALE: 1-1/2\" = 1' - 0\"



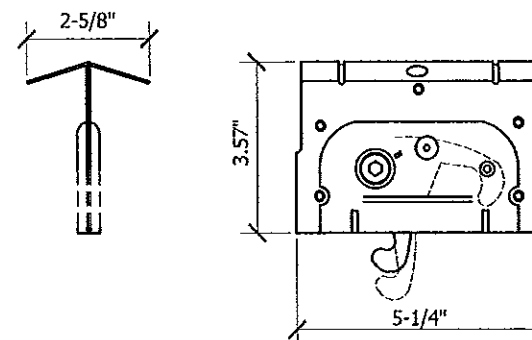
**CS2 WITH ANGLE**

SCALE: 3\" = 1' - 0\"



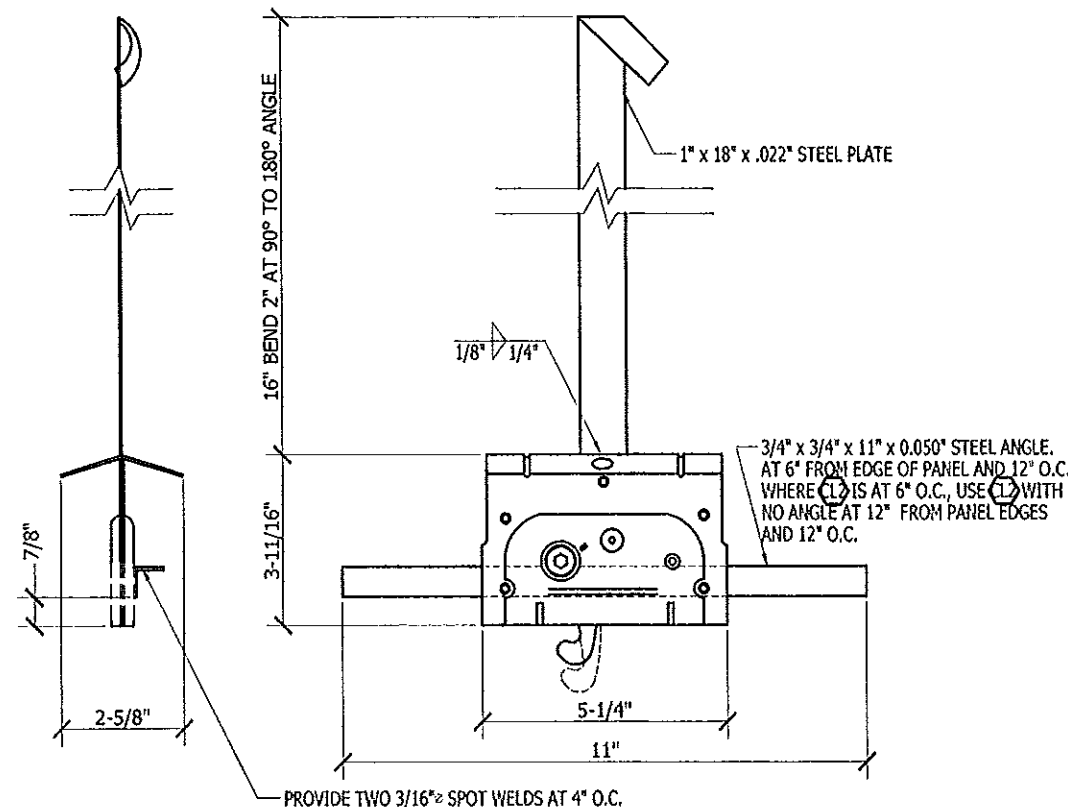
**CS2 WITH BENT PLATE**

SCALE: 3\" = 1' - 0\"



**KASON 1188RBP LATCH WITH MIN.  
STEEL WALL THICKNESS 0.033\"**

CL1 SCALE: 3\" = 1' - 0\"



**CL1 WITH STRAP & ANGLE**

SCALE: 3\" = 1' - 0\"

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1 03/21/2011 JWK

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3 07/17/2013 JWK

4 10/25/2013 JWK

5 03/21/2011

6 03/21/2011

7 03/21/2011

8 03/21/2011

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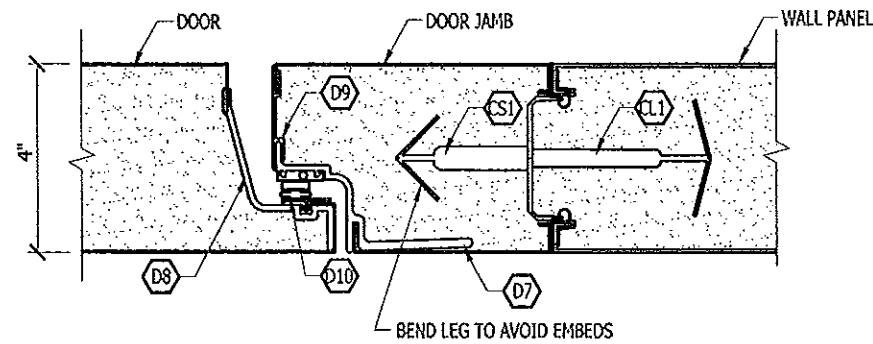
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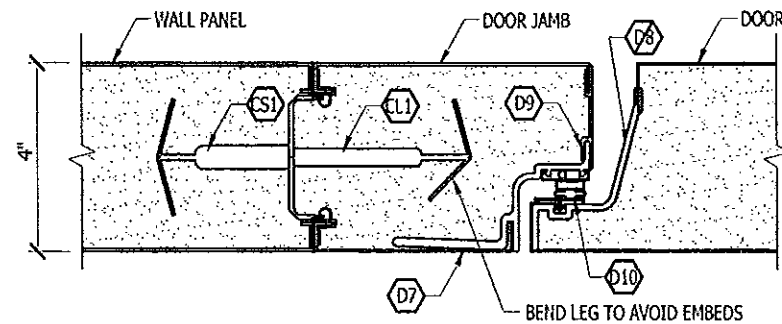
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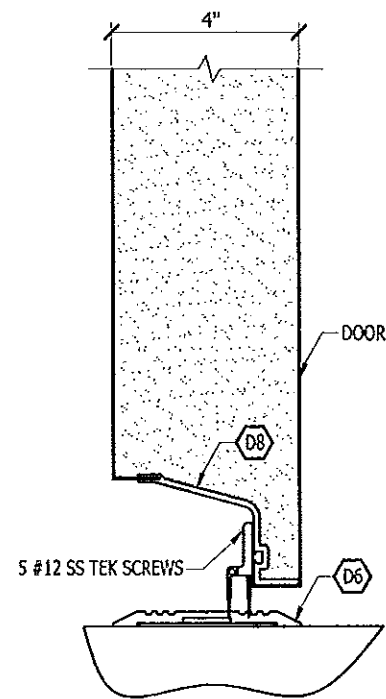




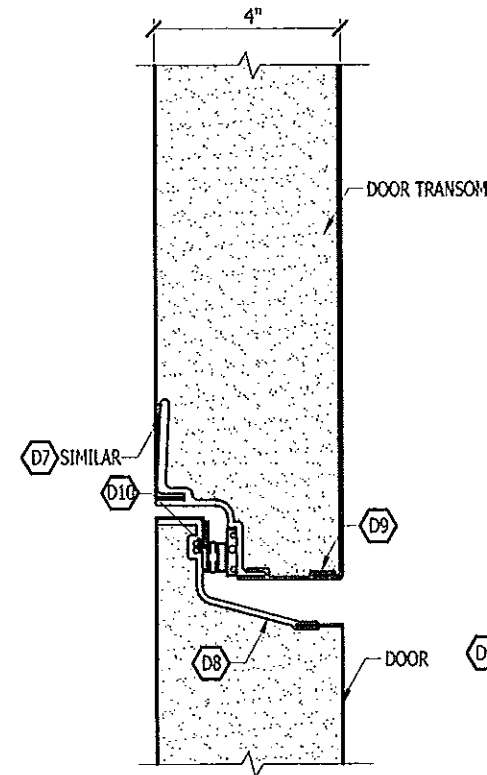
**DC DOOR FRAME AT HINGE**  
SCALE: 3" = 1' - 0"



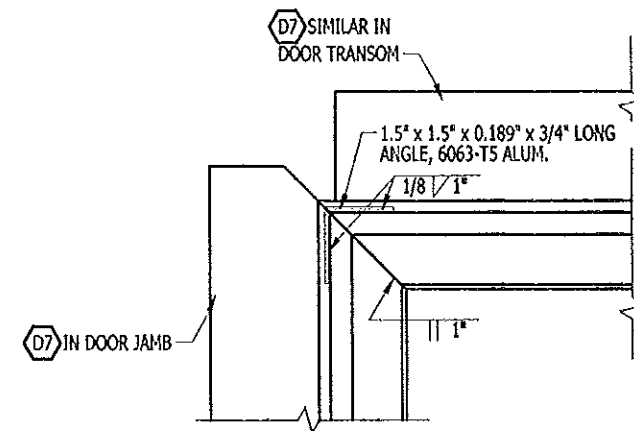
**DD DOOR FRAME AT HANDLE**  
SCALE: 3" = 1' - 0"



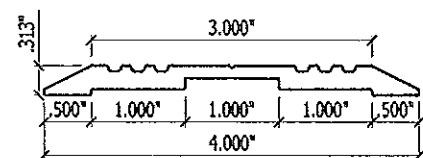
**DE DOOR SILL**  
SCALE: 3" = 1' - 0"



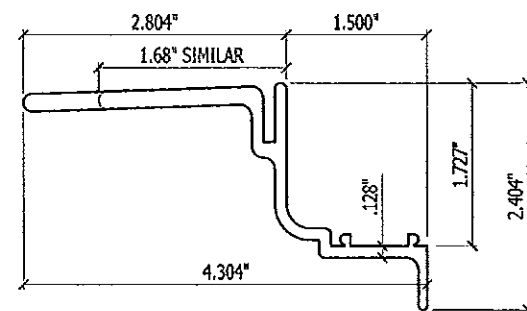
**DF DOOR HEADER**  
SCALE: 3" = 1' - 0"



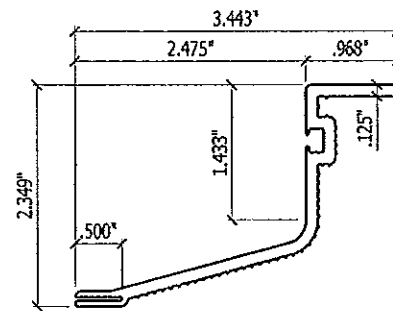
**DG DOOR JAMB TO DOOR TRANSOM**  
SCALE: 3" = 1' - 0"



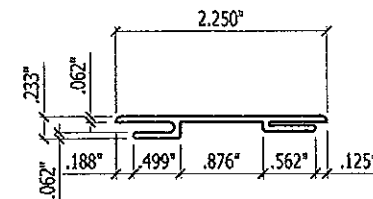
**D6 DOOR THRESHOLD**  
HALF SCALE 6063-T6 ALUM.



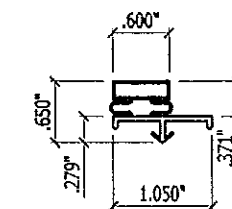
**D7 EXTERIOR JAMB EXTRUSION**  
HALF SCALE 6063-T6 ALUM.



**D8 DOOR PAN BREAKER**  
HALF SCALE 6063-T6 ALUM.



**D9 JAMB BREAKER**  
HALF SCALE 6063-T6 ALUM.



**D10 DOOR GASKET**  
HALF SCALE

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**KNEZEVICH CONSULTING**  
KNEZEVICH CONSULTING, LLC  
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J.W. Knezevich  
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